

The diagram illustrates a CVT control system (20) and its connection to a hydraulic actuator (100). On the left, a vertical stack of input boxes provides data to the control units: OIL TEMPERATURE, INPUT TORQUE INFORMATION, PRIMARY PULLEY SPEED, SECONDARY PULLEY SPEED, ACCELERATOR PEDAL STROKE, and RANGE SIGNAL. The first four inputs feed into the PULLEY PRESSURE CONTROL unit (202), while the last three feed into the SHIFT CONTROL unit (201). The SHIFT CONTROL unit (201) sends a control signal to the PULLEY PRESSURE CONTROL unit (202). The PULLEY PRESSURE CONTROL unit (202) outputs a signal to a pressure sensor (10c), which is connected to a primary pulley (30). The primary pulley (30) is part of a planetary gear set (31) that also includes a secondary pulley (32) and a central shaft (33). The secondary pulley (32) is connected to a secondary pulley speed sensor (11c). The primary pulley (30) is also connected to a motor (40) via a shaft (50). The motor (40) is connected to a pump (22) via a shaft (60). The pump (22) is connected to a regulator (REG) via a shaft (61). The regulator (REG) is connected to a reservoir (RES) via a shaft (62). The reservoir (RES) is connected to the primary pulley (30) via a shaft (63). The entire hydraulic system (100) is shown in a dashed box.

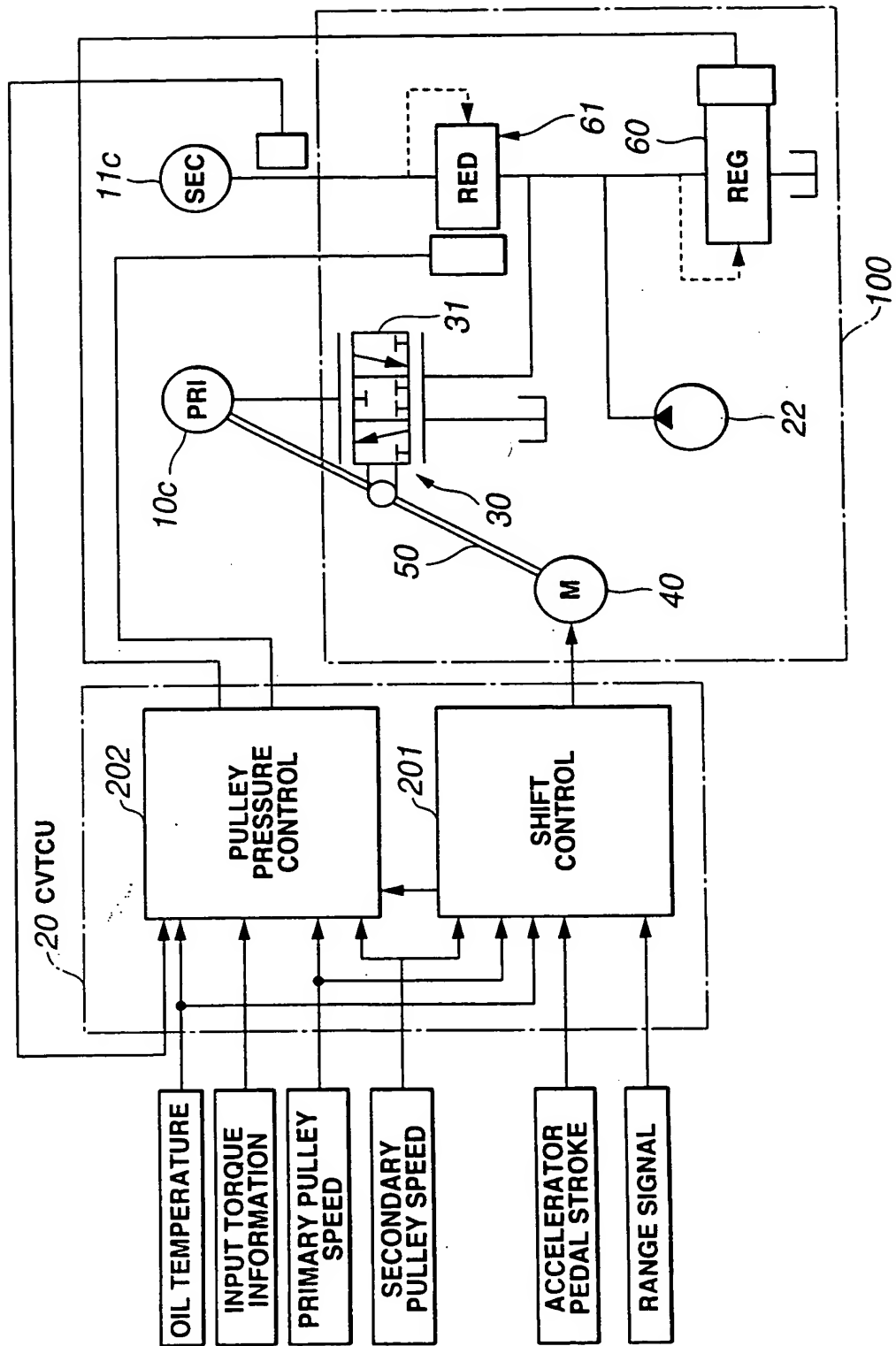


FIG.3

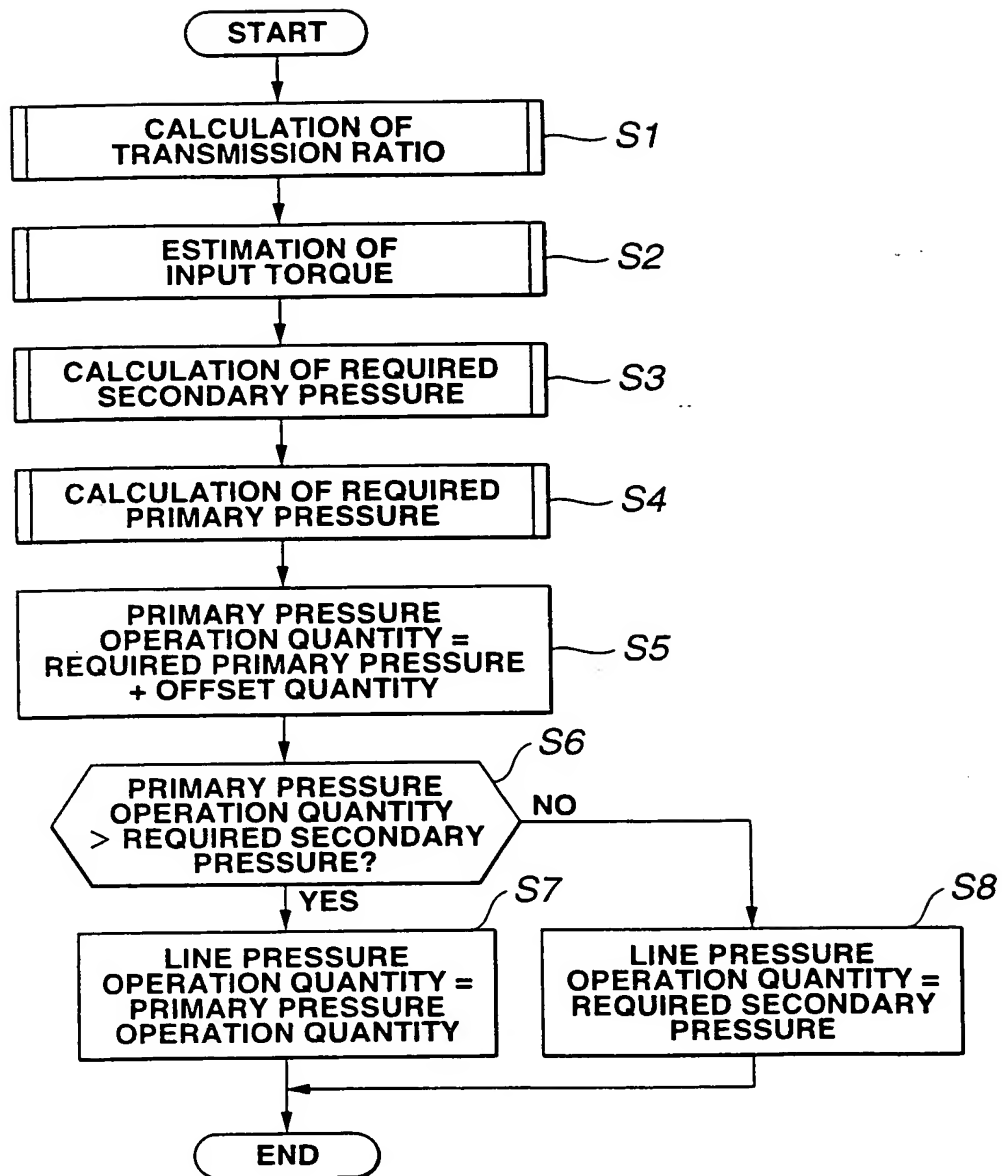


FIG.4

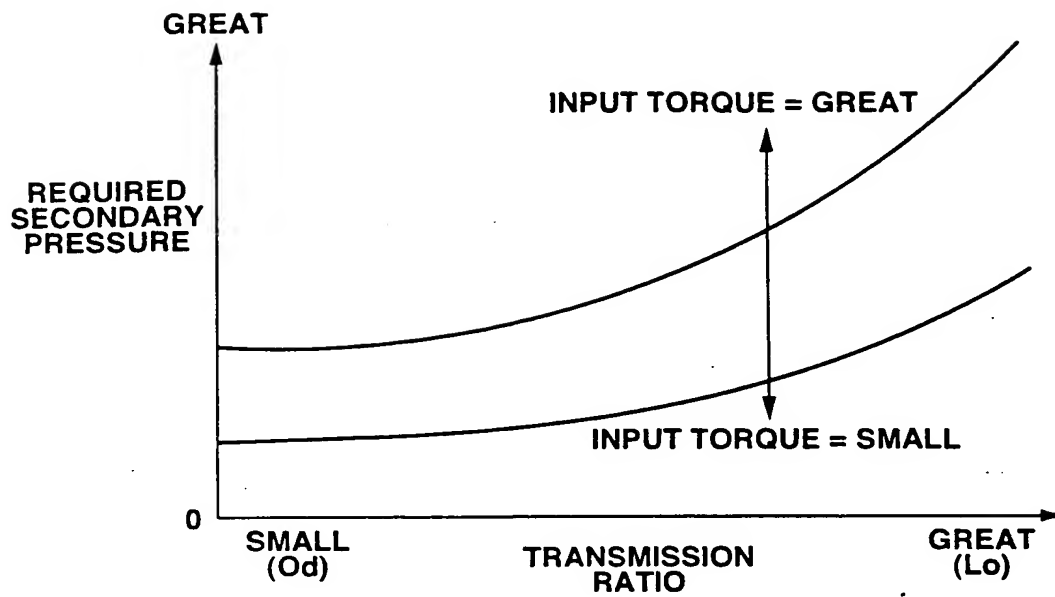


FIG.5

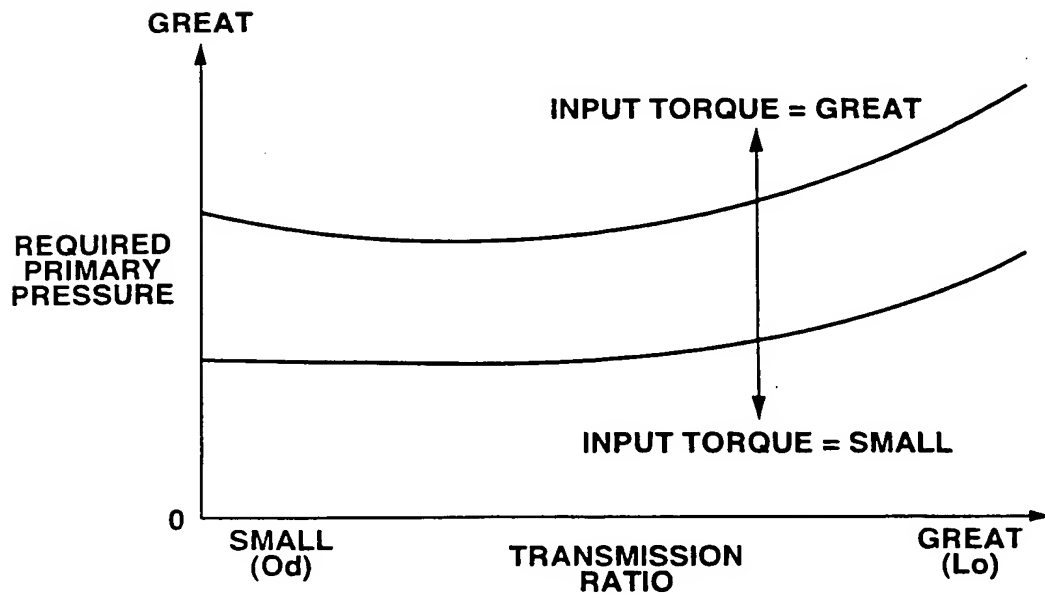


FIG.6

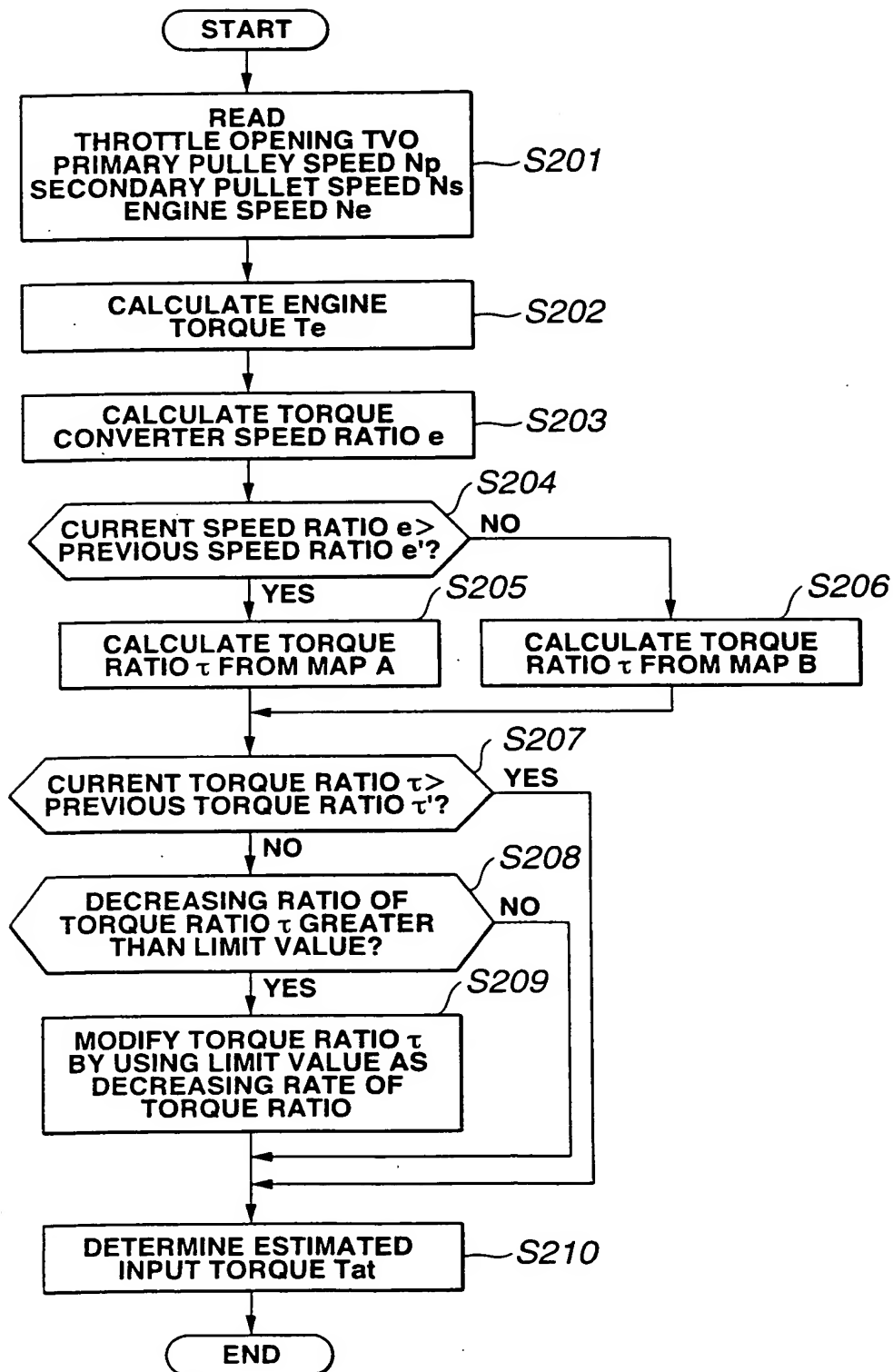


FIG.7

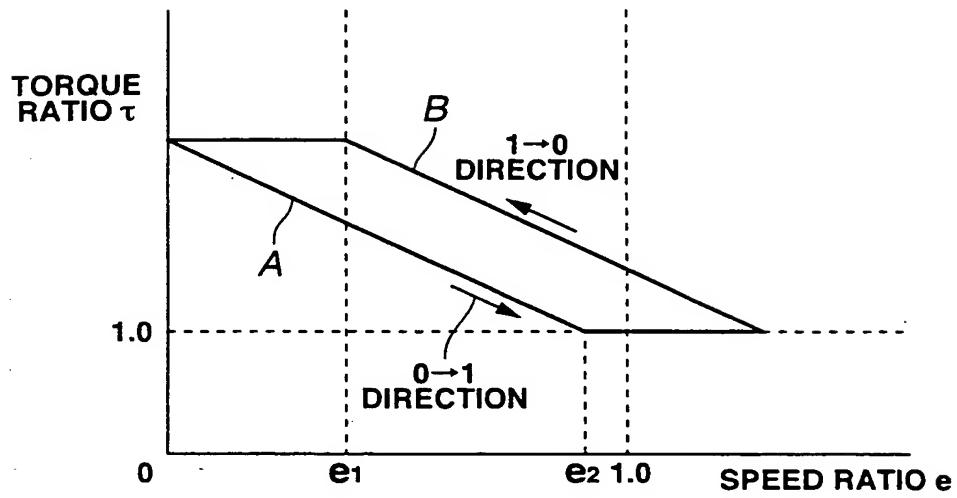


FIG.8

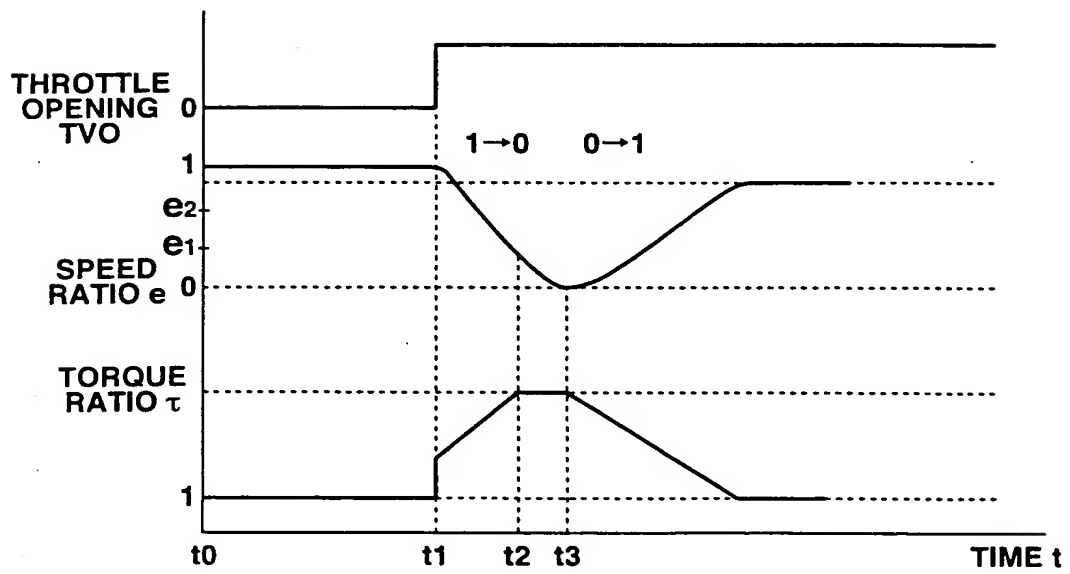


FIG.9

